



Department of Defense DIRECTIVE

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ASD(NI2)

SUBJECT: Positioning, Navigation, and Timing

- References:
- (a) DoD Directive 4650.5, "Positioning and Navigation Systems Administration and Planning," December 5, 1990 (hereby canceled)
 - (b) U.S. Global Positioning System (GPS) Policy, Presidential Decision Directive NSTC-6, March 28, 1996¹
 - (c) Section 2281 of title 10, United States Code
 - (d) Under Secretary of Defense for Acquisition, Technology and Logistics Memorandum, "Delegation of Milestone Decision Authority for DoD Space Systems," February 4, 2002
 - (e) Deputy Secretary of Defense Memorandum, "Positioning, Navigation, and Timing," September 8, 1998 (hereby canceled)

1. REISSUANCE AND PURPOSE

This Directive:

1.1. Reissues and updates reference (a) to consolidate DoD positioning, navigation, and timing (PNT) policy, procedures, and responsibilities according to references (b), (c), and (d).

1.2. Implements and cancels reference (e).

¹ PDD NSTC-6, in press release form, is located on the Interagency GPS Executive Board web site, www.igeb.gov.

1.3. Designates the Assistant Secretary of Defense for Networks and Information Integration (ASD(NI2)) as the OSD Principal Staff Assistant for overseeing PNT policy and coordinating with all external organizations.

1.4. Establishes the PNT Executive Committee (formerly the POS/NAV Executive Committee) as the primary advisory body to the ASD(NI2) on all PNT matters.

1.5. Assigns responsibilities for preparing PNT policy.

1.6. Assigns responsibilities for the Department of Defense to participate in the Interagency GPS Executive Board (IGEB) as reference (b) requires.

2. APPLICABILITY

This Directive applies to the Office of the Secretary of Defense, the Military Departments, the Chairman of the Joint Chiefs of Staff, the Combatant Commands, the Office of the Inspector General of the Department of Defense, the Defense Agencies, the DoD Field Activities, and all other entities in the Department of Defense (hereafter referred collectively to as "the DoD Components").

3. POLICY

It is DoD policy to:

3.1. Procure cost-effective airborne, land, sea, and space PNT systems by taking advantage of existing military and commercial systems whenever it may be done in a timely manner to meet military requirements.

3.2. Ensure that PNT systems support U.S. participation in allied and coalition operations to the maximum extent possible.

3.3. Cooperate with other Departments and Agencies in managing and overseeing dual-use PNT systems.

3.4. Maintain a level of PNT service consistent with both military and civilian requirements within affordable limits.

3.5. Ensure the protection of PNT services from disruption by forces adversarial to the United States, its Allies, and Coalition Partners while denying similar PNT services to those adversary forces.

4. RESPONSIBILITIES

4.1. The Assistant Secretary of Defense for Networks and Information Integration (ASD(NI2)) shall:

4.1.1. Formulate DoD radionavigation system policy and provide overall guidance on matters of PNT research, development, test, and evaluation (RDT&E), modifications, acquisitions, and operations, in coordination, as appropriate, with the Under Secretary of Defense for Acquisition, Technology, and Logistics.

4.1.2. Implement this Directive including issuing necessary instructions, guidance, and policy documents.

4.1.3. Be the focal point within the Department of Defense for all PNT matters and coordinate with all external organizations.

4.1.4. Chair the PNT Executive Committee.

4.1.5. Establish a PNT Executive Secretary and PNT Working Group to support the PNT Executive Committee.

4.1.6. Ensure coordination of DoD PNT development, acquisition, and implementation of programs among the DoD Components, including the Military Departments and Defense Agencies, as appropriate, as well as organizations external to the Department, including the North Atlantic Treaty Organization (NATO) and the Department of Transportation.

4.1.7. Ensure operational and equipment interoperability between the Department of Defense and the Department of Transportation Federal Aviation Administration except where national security requirements take precedence.

4.1.8. Consolidate DoD inputs to the Federal Radionavigation Plan and Federal Radionavigation Systems document.

4.1.9. Approve and publish the GPS Standard Positioning Service Performance Standard.

4.1.10. Co-chair, along with a senior official from the Department of Transportation, the Interagency GPS Executive Board, in accordance with reference (b).

4.1.11. As appropriate, and with the other members of the IGEB, provide support to the IGEB Executive Secretariat.

4.1.12. Ensure the PNT Working Group coordinates and communicates with the Policy Board on Federal Aviation Working Group in all areas of common interest/responsibility.

4.1.13. Ensure information assurance solutions are considered and integrated into the acquisition process where applicable.

4.2. The Under Secretary of Defense for Policy (USD(P)) shall:

4.2.1. Provide oversight and guidance on international matters as they pertain to this Directive, including oversight and guidance relating to exports and technology transfers of PNT systems and associated technologies.

4.2.2. Participate in PNT committees and working groups as required.

4.3. The Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)) shall:

4.3.1. Coordinate, as appropriate, in support of the ASD(NI2) regarding PNT policy and overall guidance on matters of PNT RDT&E, modifications, acquisitions, and operations.

4.3.2. Participate in PNT committees and working groups, as required.

4.3.3. Develop Science and Technology plans to support future operational concepts requiring PNT technologies.

4.4. The Under Secretary of Defense (Comptroller) shall participate in PNT committees and working groups, as required.

4.5. The General Counsel of the Department of Defense shall provide legal advice on PNT related matters and participate in PNT committees and working groups, as required.

4.6. The Director, Operational Test and Evaluation shall:

4.6.1. Prescribe policies and procedures for the conduct of PNT-related operational test and evaluation.

4.6.2. Provide representatives to PNT committees and working groups, as required.

4.7. The Director, Program Analysis and Evaluation shall:

4.7.1. Review PNT programs and plans, including supporting cost and force effectiveness analyses prepared by the Military Departments.

4.7.2. Provide representatives to PNT committees and working groups, as required.

4.8. The Chairman of the Joint Chiefs of Staff shall be responsible for PNT operational matters and shall:

4.8.1. Coordinate position and navigation matters affecting NATO and individual nations, ensuring the U.S. positions are established with the USD(P).

4.8.2. Prepare and publish the Master Positioning, Navigation, and Timing Plan.

4.8.3. Prepare and publish joint GPS user equipment instructions, and coordinate annual GPS user equipment roadmaps through the Joint Requirements Oversight Council.

4.8.4. Develop joint concepts of operations, tactics, techniques, and procedures for using PNT equipment. Provide direction and input for a navigation systems architecture that describes operating concepts, systems developments, replacement plans and alternatives for satisfying validated requirements.

4.8.5. Provide representatives to PNT committees and working groups, as required.

4.8.6. Provide a representative to serve as a member of the IGEB.

4.8.7. Identify and validate PNT-related operational requirements.

4.9. The Heads of the DoD Components shall:

4.9.1. Identify and document PNT-related operational requirements, conduct RDT&E on PNT equipment, and modify and procure PNT equipment that shall provide inter/intra Service and commercial commonality to the maximum extent possible.

4.9.2. Provide Military Department liaison representatives to support joint program offices designated by the ASD(NI2), in coordination with the Chairman of the Joint Chiefs of Staff and the USD(AT&L), for development and acquisition of PNT systems.

4.9.3. Provide representatives to PNT committees and working groups, as required.

4.9.4. The Secretary of the Navy shall, in addition, direct the U.S. Naval Observatory to derive and maintain the standard for uniformity of Precise Time and Time Interval services for the DoD Components.

4.9.5. The Secretary of the Air Force shall, in addition:


4.9.5.1. Serve as the milestone decision authority of PNT space system acquisition programs (reference (d)) and provide overall guidance on matters of acquisition of PNT space systems.

4.9.5.2. Develop and maintain the Standard Positioning Service Performance Standard.

4.9.6. The Director, National Security Agency shall, in addition, provide information assurance solutions during the development, integration, and operation of PNT across all segments of the GPS.

5. EFFECTIVE DATE

This Directive is effective immediately.



Paul Wolfowitz
Deputy Secretary of Defense